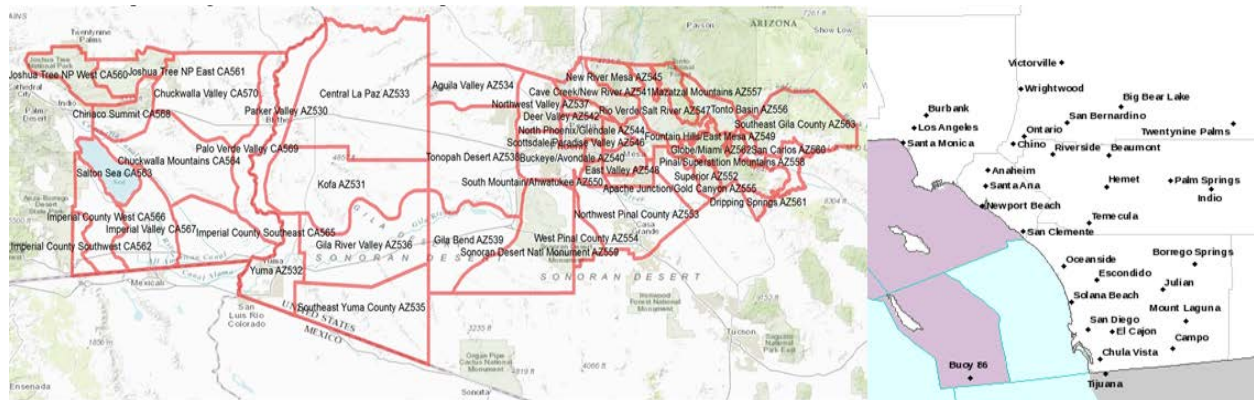


## Appendix A

### Public Notification that a potential event was occurring (40 CFR §50.14(c)(1)(i))

**FIGURE A-1**  
**NATIONAL WEATHER SERVICE PUBLIC ZONES**



**Fig A-1:** Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

**FIGURE A-2**  
**APPROACHING LOW TO BRING INCREASED SURFACE GRADIENTS & HIGH WINDS**

AREA FORECAST DISCUSSION

National Weather Service San Diego CA

919 PM PDT SAT SEP 10 2016

.SYNOPSIS...

Warm and dry weather will continue through Monday, then a cooling trend will develop through Tuesday as a **low pressure system develops over the West. Westerly winds will increase over the mountains and deserts** as the marine layer deepens farther inland. Warmer weather will return for the latter half of next week as the low pressure trough weakens.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...

SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

A low marine inversion was noted on the 00z sounding this evening. Low clouds will continue to form this evening and spread inland towards daybreak into the western valleys. There will also be some patchy dense fog towards daybreak near the coast and in a few of the valleys.

Sunday and Monday will continue to be very warm and dry.

Temperatures away from the coast will continue to be about 5 degrees above normal for this time of the year. **A significant trough will develop and move through Southern California Monday and Tuesday, bringing a major cool down and possibly some strong winds.**

Temperatures will be up to 15 degrees cooler.

Little change is anticipated overnight, with areas of low clouds and fog, locally dense, redeveloping within 15 miles or so of the coast, followed by slightly cooler weather on Sunday as onshore flow increases. The cooling will be more noticeable **on Monday and Tuesday as the onshore flow ramps up further and becomes quite gusty over the mts/deserts.** The marine layer will follow inland as it deepens and fills the coastal basin by Tue morning.

The Pattern...A weak upper low over the Ca Bight will lift northward overnight and become absorbed in the westerlies farther to the north.

At the same time, a strong high area over the EastPac will amplify northward into the Yukon along 140W. **This in turn, forces a deepening upper-level trough downstream over NV and falling sfc pressure over the Great Basin. This will trigger increasing onshore flow over SoCal and gusty westerly winds over the mts/desert through about Tue before the surface gradient relaxes.**

**Fig. A-2:** The deepening of an approaching trough was forecasted to result in increased surface gradients and strong winds across southern California. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201609110419>.

**FIGURE A-3**  
**HIGH WINDS FORECASTED FOR SAN DIEGO DESERTS**

CAZ062-112130-

SAN DIEGO COUNTY DESERTS INCLUDING  
THE CITY OF...BORREGO SPRINGS

205 AM PDT SUN SEP 11 2016

.TODAY...MOSTLY SUNNY. HIGHS 102 TO 107. AREAS OF WINDS WEST  
15 MPH. GUSTS TO 25 MPH IN THE MORNING.

.TONIGHT...CLEAR. LOWS 69 TO 74. AREAS OF WINDS WEST 15 TO 25 MPH  
WITH GUSTS TO 40 MPH.

.MONDAY...SUNNY. HIGHS 95 TO 100. AREAS OF WINDS WEST 15 TO  
25 MPH WITH GUSTS TO 30 MPH.

.MONDAY NIGHT...MOSTLY CLEAR. LOWS 64 TO 69. AREAS OF WINDS WEST  
20 TO 30 MPH. GUSTS TO 45 MPH...BECOMING 40 MPH OVERNIGHT.

.TUESDAY...MOSTLY SUNNY. HIGHS 92 TO 97. AREAS OF WINDS WEST  
15 MPH. GUSTS TO 30 MPH.

.TUESDAY NIGHT...CLEAR. LOWS 63 TO 68.

.WEDNESDAY...SUNNY. HIGHS 93 TO 98.

.WEDNESDAY NIGHT...MOSTLY CLEAR. LOWS 64 TO 69.

.THURSDAY...MOSTLY SUNNY. HIGHS 96 TO 101.

.THURSDAY NIGHT...MOSTLY CLEAR. LOWS 69 TO 74.

.FRIDAY...MOSTLY SUNNY. HIGHS 98 TO 103.

.FRIDAY NIGHT...MOSTLY CLEAR. LOWS 71 TO 76.

.SATURDAY...MOSTLY SUNNY. HIGHS 98 TO 103.

**Fig. A-3:** A Zone Forecast for the San Diego County deserts issued September 11 was already forecasting strong and gusty winds for the desert areas on Monday and Tuesday, September 12 and September 13. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201609110905>.

**FIGURE A-4**  
**SURFACE GRADIENTS TIGHTEN OVER SOUTHERN CALIFORNIA**

**AREA FORECAST DISCUSSION**

National Weather Service San Diego CA

128 PM PDT SUN SEP 11 2016

.SYNOPSIS...

A developing low pressure system over the West will bring cooler weather, more extensive marine clouds, and strong onshore flow across the mountains and deserts through Tuesday. Some patchy drizzle may even develop Monday night into Tuesday morning. The low will weaken after Tuesday, bringing a warm-up with less marine clouds and wind for the latter half of the week.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

Marine stratus was evident over portions of the CA Bight at midday, but slow to clear from some beaches in San Diego County. Elsewhere across the CWA, skies were clear. Surface pressure gradients were accelerating onshore at 4-6 MBS KSAN to the deserts. At 1 PM PDT, peak wind gust reports were 25 to 35 MPH in wind-prone mtn/desert pass areas.

Daytime temperatures are expected to run from 6-12 degrees F below average on Mon, and 10-15 degrees below average on Tue, then begin to recover on Wed, and continue into the weekend when temperatures are forecast to be about average for mid September. The greatest anomalies are expected in the far inland valleys and high deserts Mon/Tue, while the coast is off only a few degrees due to the heavy marine influence.

The Pattern...A strong high pressure ridge over the EastPac along 140W is driving a deepening longwave trough to form southwestward over NoCal on Monday. This will close off a low pressure center by Tue AM over the Great Basin, which will drive sfc pressure falls inland and strong onshore flow across SoCal. The low reaches peak intensity on Tue, then slowly weakens and is reabsorbed by the westerlies to the north on Thu. A high pressure ridge then builds eastward off the Pacific Fri/Sat.

The main weather concern will be for the gusty westerly winds, which may reach Advisory criteria with gusts above 50 MPH in onshore windprone areas of the mts/desert pass areas later on Mon and into Tue.

**Fig. A-4:** A deepening low pressure was expected to increase surface pressure gradients across the region resulting in high winds across southern California. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201609112028>.

**FIGURE A-5**  
**HIGH WINDS FORECASTED FOR DESERT AREAS UPSTREAM OF IMPERIAL COUNTY**

CAZ062-121130-

SAN DIEGO COUNTY DESERTS INCLUDING  
THE CITY OF...BORREGO SPRINGS

129 PM PDT SUN SEP 11 2016

.TONIGHT...CLEAR. LOWS 69 TO 74. AREAS OF WINDS WEST 15 TO  
25 MPH. GUSTS TO 45 MPH...BECOMING 40 MPH OVERNIGHT.

.MONDAY...MOSTLY SUNNY. HIGHS 96 TO 101. AREAS OF WINDS WEST  
15 TO 25 MPH WITH GUSTS TO 30 MPH.

.MONDAY NIGHT...MOSTLY CLEAR. LOWS 63 TO 68. AREAS OF WINDS WEST  
20 TO 30 MPH. GUSTS TO 45 MPH...BECOMING 40 MPH OVERNIGHT.

.TUESDAY...MOSTLY SUNNY. HIGHS 91 TO 96. AREAS OF WINDS WEST  
15 TO 20 MPH. GUSTS TO 35 MPH...BECOMING 30 MPH IN THE AFTERNOON.

.TUESDAY NIGHT...CLEAR. LOWS 62 TO 67. AREAS OF WINDS WEST 15 TO  
20 MPH WITH GUSTS TO 35 MPH.

.WEDNESDAY...SUNNY. HIGHS 92 TO 97.

.WEDNESDAY NIGHT...MOSTLY CLEAR. LOWS 64 TO 69.

.THURSDAY...MOSTLY SUNNY. HIGHS 95 TO 100.

.THURSDAY NIGHT...MOSTLY CLEAR. LOWS 68 TO 73.

.FRIDAY...MOSTLY SUNNY. HIGHS 98 TO 103.

.FRIDAY NIGHT...MOSTLY CLEAR. LOWS 70 TO 75.

.SATURDAY...MOSTLY SUNNY. HIGHS 98 TO 103.

.SATURDAY NIGHT...MOSTLY CLEAR. LOWS 70 TO 75.

.SUNDAY...MOSTLY SUNNY. HIGHS 99 TO 104.

**Fig. A-5:** High winds for the desert areas upstream of Imperial County were being forecasted as early as September 11. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201609112029>.

**FIGURE A-6**  
**BLOWING DUST/SAND FORECASTED FOR DESERT AREAS UPSTREAM OF IMPERIAL COUNTY**

CAZ062-121845-

**SAN DIEGO COUNTY DESERTS** INCLUDING  
THE CITY OF...BORREGO SPRINGS

**833 PM PDT SUN SEP 11 2016**

.REST OF TONIGHT...CLEAR. LOWS 69 TO 74. AREAS OF WINDS WEST  
15 TO 25 MPH. GUSTS TO 45 MPH...BECOMING 40 MPH OVERNIGHT.

.MONDAY...MOSTLY SUNNY. **PATCHY BLOWING SAND AND BLOWING DUST** IN  
THE AFTERNOON. HIGHS 96 TO 101. AREAS OF WINDS WEST 15 TO 25 MPH  
WITH GUSTS TO 30 MPH.

.MONDAY NIGHT...MOSTLY CLEAR. **PATCHY BLOWING SAND AND BLOWING  
DUST** IN THE EVENING. LOWS 63 TO 68. AREAS OF WINDS WEST 20 TO  
30 MPH. GUSTS TO 45 MPH...BECOMING 40 MPH OVERNIGHT.

.TUESDAY...MOSTLY SUNNY. HIGHS 91 TO 96. AREAS OF WINDS WEST  
15 TO 20 MPH. GUSTS TO 35 MPH...BECOMING 30 MPH IN THE AFTERNOON.

.TUESDAY NIGHT...CLEAR. LOWS 62 TO 67. AREAS OF WINDS WEST 15 TO  
20 MPH WITH GUSTS TO 35 MPH.

.WEDNESDAY...SUNNY. HIGHS 92 TO 97.

.WEDNESDAY NIGHT...MOSTLY CLEAR. LOWS 64 TO 69.

.THURSDAY...MOSTLY SUNNY. HIGHS 95 TO 100.

.THURSDAY NIGHT...MOSTLY CLEAR. LOWS 68 TO 73.

.FRIDAY...MOSTLY SUNNY. HIGHS 98 TO 103.

.FRIDAY NIGHT...MOSTLY CLEAR. LOWS 70 TO 75.

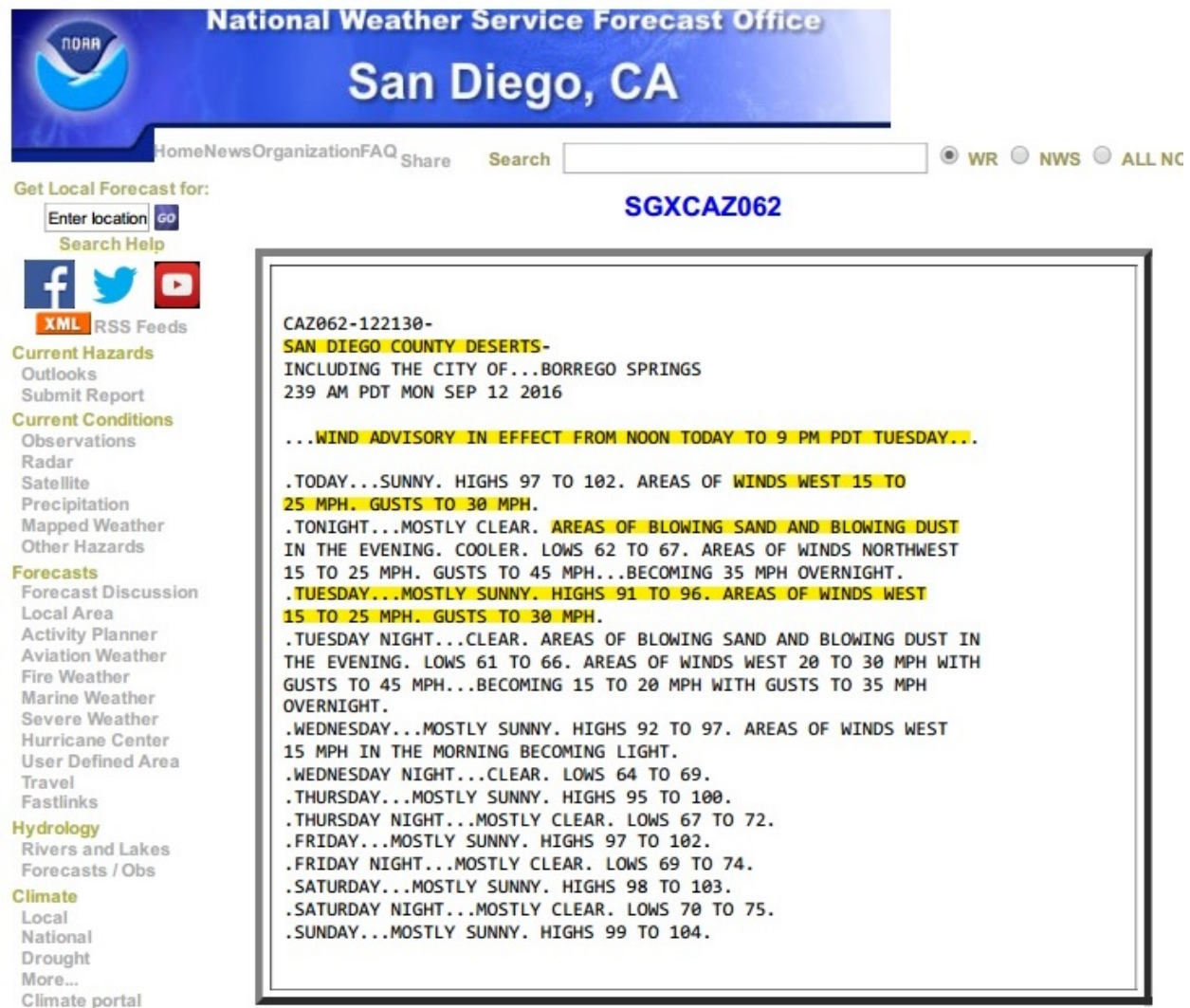
.SATURDAY...MOSTLY SUNNY. HIGHS 98 TO 103.

.SATURDAY NIGHT...MOSTLY CLEAR. LOWS 70 TO 75.

.SUNDAY...MOSTLY SUNNY. HIGHS 99 TO 104.

**Fig. A-6:** Patchy blowing dust and sand was forecasted for the desert areas upstream of Imperial County. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201609120333>.

**FIGURE A-7**  
**WIND ADVISORY FOR SAN DIEGO COUNTY DESERTS – SEPTEMBER 12**



**Fig. A-7:** At 2:39 a.m. on September 12 a Wind Advisory was in effect for the San Diego County deserts effective through September 13. Winds were forecasted to reach 25 mph with gusts of 30 mph, along with incidences of blowing sand or dust on both days. Source: NWS San Diego.



**FIGURE A-8**  
**ZONE FORECAST FOR IMPERIAL COUNTY – SEPTEMBER 12**

CAZ033-122300-  
 IMPERIAL COUNTY-  
 INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...  
 IMPERIAL...THE SALTON SEA  
**259 AM PDT MON SEP 12 2016**  
 .TODAY...SUNNY AND BREEZY. HIGHS 98 TO 103. **WEST WIND 10 TO 15 MPH IN THE MORNING BECOMING SOUTHWEST 15 TO 25 MPH IN THE AFTERNOON.**  
 .TONIGHT...CLEAR...BREEZY AND COOLER. LOWS 64 TO 74. WEST WIND 15 TO 25 MPH.  
 .**TUESDAY...**SUNNY AND BREEZY. NOT AS WARM. HIGHS 93 TO 98. **WEST WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE AFTERNOON.**  
 .TUESDAY NIGHT...CLEAR AND BREEZY. LOWS 60 TO 70. WEST WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE EVENING.  
 .WEDNESDAY...SUNNY. HIGHS 92 TO 97. NORTHWEST WIND 5 TO 10 MPH.  
 .WEDNESDAY NIGHT...CLEAR. LOWS 60 TO 70.  
 .THURSDAY...SUNNY. HIGHS 95 TO 100.  
 .THURSDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.  
 .FRIDAY...SUNNY. HIGHS 97 TO 102.  
 .FRIDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.  
 .SATURDAY...SUNNY. HIGHS 99 TO 104.  
 .SATURDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.  
 .SUNDAY...SUNNY. HIGHS 99 TO 104.

**Fig. A-8:** A Zone Forecast for Imperial County called for winds reaching 25 mph. In actuality the winds were much higher. Source: NWS Phoenix office Zone Forecast.



**FIGURE A-9**  
**WIND ADVISORY FOR SAN DIEGO COUNTY DESERTS**

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 301 AM PDT MON SEP 12 2016  
 ...WIND ADVISORY FOR THE MOUNTAINS AND DESERTS FOR THIS AFTERNOON  
 INTO TUESDAY EVENING...  
 .A LOW PRESSURE SYSTEM MOVING SOUTHWARD INTO CALIFORNIA AND NEVADA  
 WILL BRING STRONGER ONSHORE FLOW WITH PERIODS OF GUSTY SOUTHWEST  
 TO WEST WINDS IN THE MOUNTAINS AND DESERTS FROM THIS AFTERNOON  
 INTO TUESDAY EVENING.  
 CAZ055-056-058-060>062-065-122130-  
 /O.NEW.KSGX.WI.Y.0032.160912T1900Z-160914T0400Z/  
 SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINSSAN DIEGO COUNTY MOUNTAINS-  
 APPLE AND LUCERNE VALLEYS COACHELLA VALLEY-SAN DIEGO COUNTY DESERTSSAN GORGONIO PASS  
 NEAR BANNINGINCLUDING THE CITIES OF...CRESTLINE...LAKE ARROWHEAD...  
 BIG BEAR CITY...BIG BEAR LAKE...WRIGHTWOOD...JULIAN...  
 VICTORVILLE...HESPERIA...APPLE VALLEY...BORREGO SPRINGS...  
 DESERT HOT SPRINGS  
 301 AM PDT MON SEP 12 2016  
 ...WIND ADVISORY IN EFFECT FROM NOON TODAY TO 9 PM PDT TUESDAY...  
 THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND  
 ADVISORY...WHICH IS IN EFFECT FROM NOON TODAY TO 9 PM PDT  
 TUESDAY.  
 \* WINDS...AREAS OF SOUTHWEST TO WEST WINDS 15 TO 25 MPH WITH GUSTS  
 TO 45 MPH WITH GUSTS TO 55 MPH IN THE NORTHERN COACHELLA VALLEY  
 BELOW THE SAN GORGONIO PASS.  
 \* TIMING...STRONGEST WINDS DURING THE AFTERNOON AND EVENING EACH  
 DAY.  
 \* LOCATION...NEAR MOUNTAIN RIDGE TOPS...ALONG DESERT MOUNTAIN  
 SLOPES INTO ADJACENT DESERT AREAS...AND IN THE NORTHERN  
 COACHELLA VALLEY BELOW THE SAN GORGONIO PASS.  
 \* VISIBILITY...LOCALLY REDUCED IN BLOWING DUST AND BLOW SAND IN  
 THE DESERTS.  
 \* IMPACTS...HAZARDOUS FOR HIGH PROFILE VEHICLES.  
 PRECAUTIONARY/PREPAREDNESS ACTIONS...  
 A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
 THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
 PROFILE VEHICLES. USE EXTRA CAUTION.

**Fig. A-9:** High winds were forecasted for the San Diego County deserts that were immediately upstream of Imperial County and served as contributing source region during the September 12-13, 2016 wind event. Source: Iowa Environmental Mesonet; <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201609121001>.

**FIGURE A-10**  
**AREA FORECAST DISCUSSION – LOW PRESSURE TO CAUSE GUSTY WINDS**

AREA FORECAST DISCUSSION

National Weather Service San Diego CA

344 AM PDT MON SEP 12 2016

.SYNOPSIS...

Through Tuesday...a low pressure system moving southward into California and Nevada will bring stronger onshore flow with cooling to 5 to locally 10 degrees below average...a deeper marine layer with night and morning coastal low clouds and patchy fog extending into the far inland valleys...and stronger and gusty southwest to west winds in the mountains and deserts during the afternoon and evening. For Wednesday into next weekend...low pressure will weaken with weaker winds...a shallower marine layer...and warming to near average for Friday through next weekend.

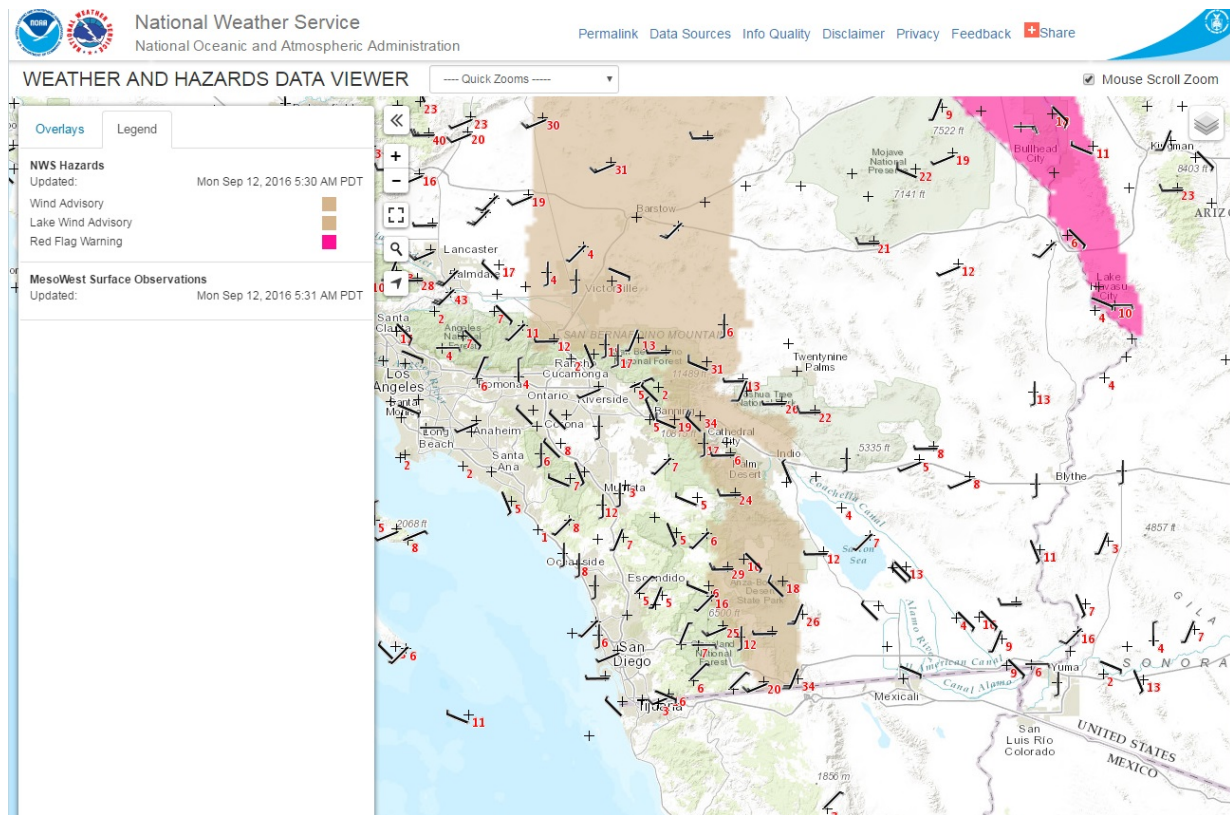
.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

Through Tuesday...a low pressure system moving southward into California and Nevada will bring stronger onshore flow with cooling to below seasonal...a deeper marine layer with night and morning coastal low clouds and patchy fog extending into the far inland valleys...and stronger and gusty southwest to west winds in the mountains and deserts during the afternoon and evening. The marine layer will deepen from around 2500 feet today...to around 3000 feet late tonight into Tuesday morning. Areas of low clouds and patchy fog will extend into portions of the inland valleys this morning...and to near the lower coastal slopes for late tonight into Tuesday morning with patchy drizzle possible. High temperatures today will cool a few degrees at lower elevations to 5 to 10 degrees in the mountains and valleys. There will be another 4 to 8 degrees of cooling for inland areas on Tuesday with high temperatures for Tuesday around 5 degrees below average at lower elevations to 10 to locally 15 degrees below average in portions of the mountains and valleys.

The onshore flow will bring stronger and gusty southwest to west winds in the mountains and deserts through Tuesday evening. Winds are expected to be strongest near mountain ridge tops and along desert mountain slopes into adjacent deserts areas with gusts to 45 mph at times...and in the northern Coachella Valley below the San Geronio Pass with gusts to 55 mph...with strongest winds expected during the afternoon and evening each day. For Wednesday into next weekend...low pressure will weaken with weaker winds...a shallower marine layer...and warming to near average for Friday through next weekend.

**Fig. A-10:** An excerpt from an Area Forecast Discussion forecasted that a low pressure system moving southward over California and Nevada would create gusty surface winds, particularly along desert slopes and into the adjacent deserts. Source: NWS San Diego office; Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201609121044>.

**FIGURE A-11**  
**WIND ADVISORY FOR PORTIONS OF SOUTHEASTERN CALIFORNIA**



**Fig. A-1:** A Weather & Hazards Viewer map captured at 5:31 a.m. on September 12 shows the extensive area just west of Imperial Valley that was covered by the wind advisory. The advisory extended into desert areas that were upstream from the air quality monitors. Source: Weather and Hazards Data Viewer.

**FIGURE A-12**  
**BLOWING SAND AND DUST FORECASTED FOR SAN DIEGO COUNTY DESERTS**

CAZ062-122200-

SAN DIEGO COUNTY DESERTS INCLUDING  
THE CITY OF...BORREGO SPRINGS

1016 AM PDT MON SEP 12 2016

...WIND ADVISORY IN EFFECT UNTIL 9 PM PDT TUESDAY...

.REST OF TODAY...SUNNY. HIGHS 97 TO 102. AREAS OF WINDS WEST  
15 TO 25 MPH. GUSTS TO 30 MPH.

.TONIGHT...CLEAR. AREAS OF BLOWING SAND AND BLOWING DUST IN THE  
EVENING. COOLER. LOWS 62 TO 67. AREAS OF WINDS NORTHWEST 15 TO  
25 MPH. GUSTS TO 45 MPH...BECOMING 35 MPH OVERNIGHT.

.TUESDAY...SUNNY. HIGHS 91 TO 96. AREAS OF WINDS WEST 15 TO  
25 MPH. GUSTS TO 30 MPH.

.TUESDAY NIGHT...CLEAR. AREAS OF BLOWING SAND AND BLOWING DUST IN  
THE EVENING. LOWS 61 TO 66. AREAS OF WINDS WEST 20 TO 30 MPH WITH  
GUSTS TO 45 MPH...BECOMING 15 TO 20 MPH WITH GUSTS TO 35 MPH  
OVERNIGHT.

.WEDNESDAY...SUNNY. HIGHS 92 TO 97. AREAS OF WINDS WEST 15 MPH IN  
THE MORNING BECOMING LIGHT.

.WEDNESDAY NIGHT...CLEAR. LOWS 64 TO 69.

.THURSDAY...MOSTLY SUNNY. HIGHS 95 TO 100.

.THURSDAY NIGHT...CLEAR. LOWS 67 TO 72.

.FRIDAY...SUNNY. HIGHS 97 TO 102.

.FRIDAY NIGHT...CLEAR. LOWS 69 TO 74.

.SATURDAY...MOSTLY SUNNY. HIGHS 98 TO 103.

.SATURDAY NIGHT...MOSTLY CLEAR. LOWS 70 TO 75.

**Fig. A-12:** Blowing sand and dust was forecasted for the San Diego County deserts upstream of Imperial County. Source: Iowa Environmental Mesonet; <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201609121716>.

**FIGURE A-13**  
**WINDS UP TO 25 MPH FORECASTED FOR IMPERIAL COUNTY**

CAZ033-131100-  
 IMPERIAL COUNTY INCLUDING  
 THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...  
 IMPERIAL...THE SALTON SEA  
**124 PM PDT MON SEP 12 2016**  
 .TONIGHT...CLEAR...BREEZY AND COOLER. LOWS 63 TO 73. **WEST WIND 15 TO 25 MPH** IN THE EVENING DECREASING TO 10 TO 15 MPH AFTER MIDNIGHT.  
 .TUESDAY...SUNNY. NOT AS WARM. HIGHS 92 TO 97. WEST WIND 10 TO 20 MPH.  
 .TUESDAY NIGHT...CLEAR. LOWS 59 TO 69. **WEST WIND 10 TO 20 MPH.**  
 .WEDNESDAY...SUNNY. HIGHS 91 TO 96. NORTHWEST WIND 5 TO 10 MPH.  
 11/22/2017 IEM :: ZFP from NWS PSR  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201609122024> 6/6  
 .WEDNESDAY NIGHT...CLEAR. LOWS 60 TO 70. NORTHWEST WIND 5 TO 10 MPH.  
 .THURSDAY...SUNNY. HIGHS 95 TO 100.  
 .THURSDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.  
 .FRIDAY...SUNNY. HIGHS 97 TO 102.  
 .FRIDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.  
 .SATURDAY...SUNNY. HIGHS 99 TO 104.  
 .SATURDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.  
 .SUNDAY...SUNNY. HIGHS 99 TO 104.  
 .SUNDAY NIGHT...CLEAR. LOWS IN THE MID

**Fig. A-13:** Although Imperial County was forecasted to receive winds up to 25 mph on September 12 and winds of 20 mph on September 13, in actuality winds on both days were considerably higher. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201609122024>.

**FIGURE A-14**  
**WIND ADVISORY CONTINUED FOR SAND DIEGO MOUNTAINS AND DESERTS**

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 135 PM PDT MON SEP 12 2016  
 ...WIND ADVISORY FOR THE MOUNTAINS AND DESERTS THROUGH TUESDAY  
 EVENING...  
 .A LOW PRESSURE SYSTEM MOVING SOUTHWARD INTO CALIFORNIA AND  
 NEVADA WILL BRING STRONGER ONSHORE FLOW WITH PERIODS OF GUSTY  
 SOUTHWEST TO WEST WINDS IN THE MOUNTAINS AND DESERTS FROM THIS  
 AFTERNOON INTO TUESDAY EVENING. STRONGEST WINDS WILL OCCUR  
 OVERNIGHT TONIGHT AND OVERNIGHT TUESDAY.  
 CAZ055-056-058-060>062-065-130500-  
 /O.CON.KSGX.WI.Y.0032.000000T0000Z-160914T0400Z/  
 SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINSSAN  
 DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS COACHELLA  
 VALLEY-SAN DIEGO COUNTY DESERTSSAN  
 GORGONIO PASS NEAR BANNING INCLUDING  
 THE CITIES OF...CRESTLINE...LAKE ARROWHEAD...  
 BIG BEAR CITY...BIG BEAR LAKE...WRIGHTWOOD...JULIAN...  
 VICTORVILLE...HESPERIA...APPLE VALLEY...BORREGO SPRINGS...  
 DESERT HOT SPRINGS  
 135 PM PDT MON SEP 12 2016  
 ...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT TUESDAY...  
 \* WINDS...AREAS OF SOUTHWEST TO WEST WINDS 15 TO 25 MPH WITH GUSTS  
 TO 45 MPH IN THE DESERTS AND GUSTS TO 55 MPH ALONG MOUNTAIN  
 RIDGES...THROUGH AND BELOW THE CANYONS AND PASSES AND ALONG  
 DESERT SLOPES.  
 \* TIMING...STRONGEST WINDS DURING THE AFTERNOON AND EVENING EACH  
 DAY.  
 \* LOCATION...NEAR MOUNTAIN RIDGE TOPS...ALONG DESERT MOUNTAIN  
 SLOPES AND INTO WIND-FAVORED ADJACENT DESERT AREAS...SUCH AS THE  
 NORTHERN COACHELLA VALLEY BELOW THE SAN GORGONIO PASS.  
 \* VISIBILITY...LOCALLY REDUCED IN BLOWING DUST AND BLOWING SAND  
 IN THE DESERTS.  
 \* IMPACTS...HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE  
 VEHICLES.  
 PRECAUTIONARY/PREPAREDNESS ACTIONS...  
 A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
 THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
 PROFILE VEHICLES. USE EXTRA CAUTION.

**Fig. A-14:** Although Imperial County was forecasted to receive winds up to 25 mph on September 12 and winds of 20 mph on September 13, in actuality winds on both days were considerably higher. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201609122035>.

**FIGURE A-15**  
**BLOWING DUST SPOTTED IN IMPERIAL COUNTY – SEPTEMBER 12**

### **Your Severe Weather Watches and Warnings**

#### **El Centro, CA**

[Your Radar](#) | [Current Conditions](#) | [15-Day Forecast](#)

SPECIAL WEATHER STATEMENT  
 NATIONAL WEATHER SERVICE PHOENIX AZ  
 305 PM PDT MON SEP 12 2016  
 ...SPECIAL WEATHER STATEMENT...

AT 300 PM PDT...TRAINED WEATHER SPOTTERS REPORTED BLOWING DUST WITH REDUCED VISIBILITIES OF 1 TO 2 MILES 10 NM. NORTH OF IMPERIAL CA. WINDS IN EXCESS OF 30 MPH WILL BE POSSIBLE WITH BLOWING DUST.

LOCATIONS IMPACTED INCLUDE...  
 EL CENTRO...CALEXICO...BRAWLEY...IMPERIAL...OCOTILLO...  
 PLASTER CITY...HOLTVILLE...GORDON'S WELL...MT. SIGNAL...  
 EL CENTRO NAVAL AIRFIELD...BONDS CORNER...ALAMORIO...SEELEY...

DIXIELAND...HEBER AND COYOTE WELLS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

LOCALLY DENSE BLOWING DUST WITH VISIBILITIES OF 1 TO 2 MILES IS

LIKELY IN THE GREATER IMPERIAL AREA AND THE I-8 CORRIDOR EAST AND WEST OF IMPERIAL. IF YOU ENCOUNTER BLOWING DUST WHILE DRIVING...PULL OVER AS FAR OFF THE ROADWAY AS POSSIBLE AND PARK. TURN OFF YOUR HEADLIGHTS AND KEEP YOUR FOOT OFF THE BRAKE.

**Fig. A-15:** A trained weather spotter reported blowing dust near Imperial in Imperial County at 3 p.m. on September 12. Source: AccuWeather.



**FIGURE A-16**  
**GUSTY WINDS UP TO 30 MPH FOR IMPERIAL COUNTY**

CAZ033-131100-

**IMPERIAL COUNTY** INCLUDING

THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...

IMPERIAL...THE SALTON SEA

**824 PM PDT MON SEP 12 2016**

.TONIGHT...CLEAR...BREEZY AND COOLER. LOWS 63 TO 73. **WEST WIND 15 TO 25 MPH IN THE EVENING DECREASING TO 10 TO 15 MPH AFTER MIDNIGHT.**

.TUESDAY...SUNNY AND BREEZY. NOT AS WARM. HIGHS 92 TO 97. **WEST WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE AFTERNOON.**

.TUESDAY NIGHT...CLEAR. LOWS 59 TO 69. WEST WIND 10 TO 20 MPH.

.WEDNESDAY...SUNNY. HIGHS 91 TO 96. NORTHWEST WIND 5 TO 10 MPH.

.WEDNESDAY NIGHT...CLEAR. LOWS 60 TO 70. NORTHWEST WIND 5 TO 10 MPH.

.THURSDAY...SUNNY. HIGHS 95 TO 100.

.THURSDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.

.FRIDAY...SUNNY. HIGHS 97 TO 102.

.FRIDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.

.SATURDAY...SUNNY. HIGHS 99 TO 104.

.SATURDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.

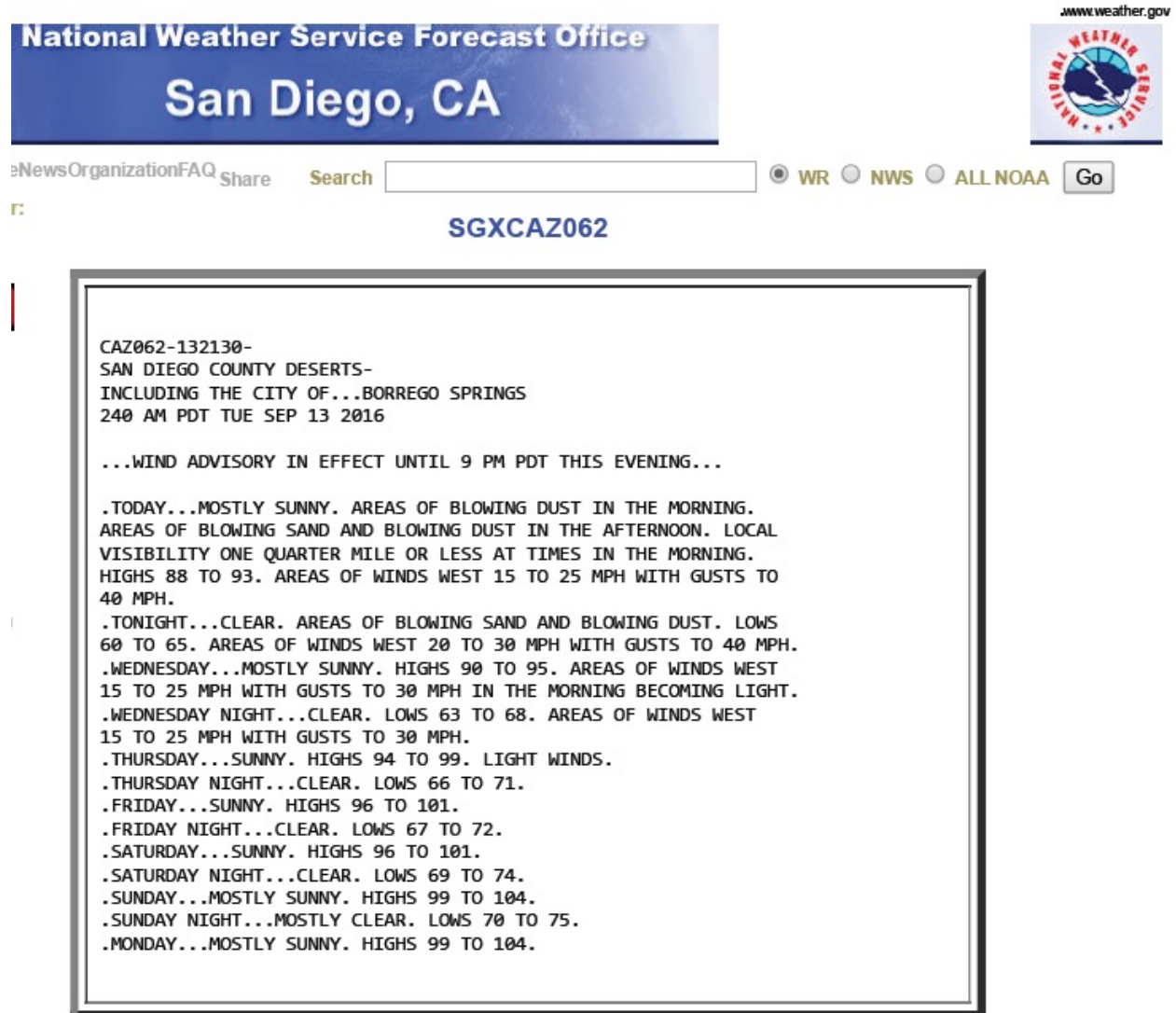
.SUNDAY...SUNNY. HIGHS 99 TO 104.

.SUNDAY NIGHT...CLEAR. LOWS IN THE MID 60S TO MID 70S.

.MONDAY...SUNNY. HIGHS 98 TO 103.

**Fig. A-16:** A Zone Forecast for Imperial County called for gusty winds reaching 30 mph. In actuality the winds were much higher. Source: Iowa Environmental Mesonet; <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201609130324>.

**FIGURE A-17**  
**WIND ADVISORY FOR DESERTS CONTINUED – SEPTEMBER 13**



**Fig. A-17:** At 2:40 a.m. on September 13 a Wind Advisory remained in effect for the San Diego County deserts. Blowing sand or dust was expected. The desert areas were immediately upstream of Imperial County during the September 12-13 wind event. Source: NWS San Diego;

[http://www.wrh.noaa.gov/sgx/display\\_zone.php?sid=SGX&zone=CAZ062](http://www.wrh.noaa.gov/sgx/display_zone.php?sid=SGX&zone=CAZ062).

**FIGURE A-18**  
**WINDS STRONG ENOUGH TO LIFT DUST IN SE CALIFORNIA**

Area Forecast Discussion

National Weather Service Phoenix AZ

245 AM MST TUE SEP 13 2016

.SYNOPSIS...

A weather disturbance will move north of the area today resulting in breezy conditions and scattered afternoon and evening thunderstorms over higher elevations of central and eastern Arizona. A much drier airmass will envelop the region through the remainder of the week yielding widespread dry weather and temperatures remaining near to slightly cooler than normal.

.DISCUSSION...

A rather distinct PV anomaly was descending towards KOAK early this morning with objective analysis indicating a 60kt H5 jet streak beginning to round the trough base through cntrl California. The most notable height falls were already translating eastward and will spread into central Nevada and Utah throughout today as the shortwave/cold core starts lifting into the Great Basin. Further to the south, subtle height rises and warming aloft were noted in regional Arizona 00Z sounding data and hourly objective analysis such that midlevel lapse rates and elevated instability were far more muted than 24 hours ago. Adding to the atmospheric complexity, fairly robust shallow moisture was sampled in the far SW portion of AZ, however the vast majority of the area could only muster 7-9 g/kg sfc-H7 moisture levels early this morning.

Thus, conceptually feel the best opportunity for deep convection will lie with terrain forced ascent of shallow moisture profiles within the stronger deep SW flow over the foothills and mountains just east of the Phoenix metro. This activity would quickly propagate downstream into eastern Pinal and southern Gila county given the mean steering wind profiles. Similar to yesterday, sfc-6km bulk shear values will approach 30kt yielding some chance for better organized storm structure; however, the aforementioned muted instability and lapse rates may be the primary limiting factor for wind and hail producing storms. **Otherwise, the other notable feature this afternoon will be an enhanced breeziness as the pressure gradient tightens ahead of height falls to the north. While somewhat unusual for mid September, wind speeds do not look overly strong but potentially enough to lift a suspended dust layer - particularly in areas that have seen little to no rainfall this summer (i.e. SE CA and far western AZ).**

**Fig. A-18:** An Area Forecast Discussion noted that winds in southeast California would be strong enough to lift dust in arid areas like southeast California that had seen little precipitation in the coming months. Source: Iowa Environmental Mesonet; <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201609130945>.

## FIGURE A-19

## WIND ADVISORY FOR MOUNTAINS &amp; DESERTS CONTINUED – SEPTEMBER 13

**Message:** NOAA-NWS-ALERTS-  
CA125614103AE8.WindAdvisory.1256141EA4C0CA.SGXNPWSGX.b08844b9f8b9375f364bcb81056ee50b  
from w-nws.webmaster@noaa.gov

**Sent:** 02:54 PDT on 09-13-2016

**Effective:** 02:54 PDT on 09-13-2016

**Expires:** 21:00 PDT on 09-13-2016

**Event: Wind Advisory**

**Alert:**  
...WIND ADVISORY FOR THE MOUNTAINS AND DESERTS THROUGH THIS EVENING...

. A LOW PRESSURE SYSTEM MOVING SOUTHWARD INTO CALIFORNIA AND NEVADA WILL BRING STRONGER ONSHORE FLOW WITH PERIODS OF GUSTY SOUTHWEST TO WEST WINDS IN THE MOUNTAINS AND DESERTS THROUGH THIS EVENING.

...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT THIS EVENING..

\* WINDS...AREAS OF SOUTHWEST TO WEST WINDS 20 TO 30 MPH WITH GUSTS TO 45 MPH. GUSTS TO 60 MPH IN THE NORTHERN COACHELLA VALLEY BELOW THE SAN GORGONIO PASS AND ALONG THE DESERT SLOPES OF THE SAN DIEGO COUNTY MOUNTAINS.

\* TIMING...STRONGEST WINDS EARLY THIS MORNING...AND AGAIN EARLY THIS EVENING.

\* LOCATION...NEAR MOUNTAIN RIDGE TOPS...ALONG DESERT MOUNTAIN SLOPES INTO ADJACENT DESERT AREAS...AND IN THE NORTHERN COACHELLA VALLEY BELOW THE SAN GORGONIO PASS.

\* VISIBILITY...LOCALLY REDUCED IN BLOWING DUST AND BLOWING SAND IN THE DESERTS.

\* IMPACTS...HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES.

**Instructions:** A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

**Target Area:** Apple and Lucerne Valleys  
Coachella Valley  
Riverside County Mountains  
San Bernardino County Mountains  
San Diego County Deserts  
San Diego County Mountains  
San Geronio Pass near Banning

**Forecast Office:** NWS San Diego (Southwestern California)

**Fig. A-19:** At 2:54 a.m. on September 13 a Wind Advisory remained in effect for the San Diego County deserts. The winds were generated by a strong onshore flow caused by a low pressure system moving into California and Nevada. Blowing sand or dust was expected. The desert areas were immediately upstream of Imperial County during the September 12-13 wind event. Source: NWS San Diego; <https://alerts.weather.gov/cap/wwacapget.php?x=CA125614103AE8.WindAdvisory.1256141EA4C0CA.SGXNPWSGX.b08844b9f8b9375f364bcb81056ee50b>.

**FIGURE A-20**  
**OFFSHORE FLOW BRINGS GUSTY WINDS**

AREA FORECAST DISCUSSION

National Weather Service San Diego CA

314 AM PDT TUE SEP 13 2016

.SYNOPSIS...

Low pressure over California and Nevada today will weaken and move east later this week with high pressure from the southwest spreading into California next Sunday and Monday. High temperatures will be coolest today...warm to near average for Thursday through Saturday...and warm to a little above average for Sunday and Monday. A deep marine layer with coastal low clouds and patchy fog extending onto the coastal mountain slopes...will become gradually shallower for Wednesday through next weekend. Onshore flow will bring strong and gusty southwest to west winds to the mountains and deserts into tonight.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

Low pressure over California and Nevada today will weaken and move east through Friday with weak upper level low pressure remaining into the southwest states.

The marine layer has deepened to around 4500 to 5000 feet early this morning with satellite imagery showing widespread coastal stratus extending onto the coastal mountain slopes. Cloud bases have gone up to around 3500 feet mean seal level. No precipitation has been reported this morning and PoPs have been decreased, For coastal and valley areas...skies will become partly cloudy this afternoon with low clouds spreading inland quickly this evening.

**The stronger onshore flow will bring strong and gusty southwest to west winds in the mountains and deserts into this evening... gradually diminishing late tonight.**

**Fig. A-20:** The strong onshore flow created by packed surface pressure gradients generated strong winds across southeast California. Source: Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201609131014>.

**FIGURE A-21**  
**PACKED PRESSURE GRADIENTS GENERATE STRONG WINDS ACROSS SE CALIFORNIA**

**AREA FORECAST DISCUSSION**

National Weather Service San Diego CA

904 AM PDT TUE SEP 13 2016

.SYNOPSIS...

A trough of low pressure over California and Nevada will continue to create stronger onshore flow, significant cooling, a deep marine layer with night and morning low clouds extending into the far inland valleys, and strong and gusty southwest to west winds in the mountains and deserts. Localized drizzle or light showers over and west of the mountains should diminish by mid-day. For Wednesday through early next week, low pressure aloft will weaken, resulting in lighter winds, an increasingly shallower marine layer, and warming to above average by Sunday.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...  
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO  
COUNTIES...

Water vapor satellite shows an unseasonably strong low pressure trough over Northern California and Northwest Nevada, which is resulting in stronger onshore flow and a very deep marine layer. Visible satellite shows the stratus completely filling the coast, valleys, coastal slopes, Santa Ana mountains/foothills and the also the passes, while mountain induced cloud sheets are noted in Baja and Imperial counties. The marine layer has deepened up significantly this morning, with the 12Z Miramar sounding and aircraft soundings show the marine layer depth up to around 5000 feet, and there have been a few reports of drizzle or light rain. Some coastal slope and Orange county locations have reported measurable rainfall of around 0.01 to 0.04 inches. With such a deep marine layer, only partial clearing of stratus is likely to occur today. Meanwhile, onshore pressure gradients from San Diego to Las Vegas peaked last night at 13 mb and are down to 9.6 mb currently. Winds are currently gusting only around 30-40 mph along mountain ridges, through and below the canyons/passes and along desert slopes, although there are 56 mph gusts in the San Geronio pass. Gusty winds in these areas will continue through early evening before diminishing, and wind advisories remain in effect.


**Fig. A-21:** The strong onshore flow created by packed surface pressure gradients generated strong winds across southeast California. Source: Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201609131604>.



**FIGURE A-22**  
**MORE BLOWING DUST & SAND FOR SAN DIEGO COUNTY DESERTS – SEPTEMBER 13**

Current NWS Alert:  
**Wind Advisory**

  
 NWS All NOAA

[Site Map](#)    [News](#)    [Organization](#)    [Search](#)

[Home](#) > [Alerts](#) > [California](#) > Wind Advisory Issued by NWS San Diego (Southwestern California)

**Message:** NOAA-NWS-ALERTS-CA12561411BF94.WindAdvisory.1256141EA4C0CA.SGXNPWSGX.b08844b9f8b9375f364bcb81056ee50b  
 from w-nws.webmaster@noaa.gov  
**Sent:** 12:49 PDT on 09-13-2016  
**Effective:** 12:49 PDT on 09-13-2016  
**Expires:** 21:00 PDT on 09-13-2016

**Event:** Wind Advisory

**Alert:**

...WIND ADVISORY FOR THE MOUNTAINS AND DESERTS THROUGH THIS EVENING...

.A LOW PRESSURE SYSTEM MOVING SOUTHWARD INTO CALIFORNIA AND NEVADA WILL BRING STRONGER ONSHORE FLOW WITH PERIODS OF GUSTY SOUTHWEST TO WEST WINDS IN THE MOUNTAINS AND DESERTS THROUGH MID EVENING. WINDS SHOULD DIMINISH QUICKLY OVERNIGHT.

...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM PDT THIS EVENING...

\* WINDS...AREAS OF SOUTHWEST TO WEST WINDS 15 TO 25 MPH WITH GUSTS TO 45 MPH IN THE DESERTS AND GUSTS TO 55 MPH ALONG MOUNTAIN RIDGES...THROUGH AND BELOW THE CANYONS AND PASSES AND ALONG DESERT SLOPES.

\* TIMING...STRONGEST WINDS EARLY THIS EVENING.

\* LOCATION...NEAR MOUNTAIN RIDGE TOPS...ALONG DESERT MOUNTAIN SLOPES AND INTO WIND-FAVORED ADJACENT DESERT AREAS...SUCH AS THE NORTHERN COACHELLA VALLEY BELOW THE SAN GORGONIO PASS.

\* VISIBILITY...LOCALLY REDUCED IN BLOWING DUST AND BLOWING SAND IN THE DESERTS.

\* IMPACTS...HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES.

**Instructions:** A WIND ADVISORY FOR THE MOUNTAINS AND DESERTS MEANS THAT WIND GUSTS OF 45 MPH OR GREATER ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

**Target Area:** Apple and Lucerne Valleys  
 Coachella Valley  
 Riverside County Mountains  
 San Bernardino County Mountains  
 San Diego County Deserts  
 San Diego County Mountains  
 San Geronio Pass near Banning

**Fig. A-22:** At 12:49 p.m. on September 13 a Wind Advisory remained in effect for the San Diego County mountains and deserts. Blowing sand or dust was expected. The desert areas were immediately upstream of Imperial County during the September 12-13 wind event. Source: NWS San Diego;  
<https://alerts.weather.gov/cap/wwacapget.php?x=CA12561411BF94.WindAdvisory.1256141EA4C0CA.SGXNPWSGX.b08844b9f8b9375f364bcb81056ee50b>.



**FIGURE A-23**  
**HIGH WINDS AND BLOWING DUST CONTINUES FOR SAN DIEGO DESERTS**

CAZ062-141200-

SAN DIEGO COUNTY DESERTS INCLUDING  
THE CITY OF...BORREGO SPRINGS

1256 PM PDT TUE SEP 13 2016

...WIND ADVISORY IN EFFECT UNTIL 9 PM PDT THIS EVENING...

.TONIGHT...CLEAR. AREAS OF BLOWING SAND AND BLOWING DUST IN THE  
EVENING. LOCAL VISIBILITY ONE QUARTER MILE OR LESS AT TIMES IN  
THE EVENING. LOWS 60 TO 65. AREAS OF WINDS WEST 25 TO 35 MPH WITH  
GUSTS TO 50 MPH...BECOMING 15 TO 20 MPH WITH GUSTS TO 35 MPH  
OVERNIGHT.

.WEDNESDAY...SUNNY. HIGHS 90 TO 95. AREAS OF WINDS WEST 15 TO  
20 MPH WITH GUSTS TO 25 MPH IN THE MORNING BECOMING LIGHT.

.WEDNESDAY NIGHT...CLEAR. LOWS 63 TO 68. AREAS OF WINDS WEST  
15 TO 20 MPH WITH GUSTS TO 25 MPH.

.THURSDAY...SUNNY. HIGHS 94 TO 99. LIGHT WINDS.

.THURSDAY NIGHT...CLEAR. LOWS 66 TO 71. LIGHT WINDS BECOMING WEST  
15 MPH WITH GUSTS TO 25 MPH OVERNIGHT.

.FRIDAY...SUNNY. HIGHS 96 TO 101.

.FRIDAY NIGHT...CLEAR. LOWS 66 TO 71.

.SATURDAY...SUNNY. HIGHS 97 TO 102.

.SATURDAY NIGHT...CLEAR. LOWS 70 TO 75.

.SUNDAY...MOSTLY SUNNY. HIGHS 100 TO 105.

.SUNDAY NIGHT...MOSTLY CLEAR. LOWS 70 TO 75.

.MONDAY...MOSTLY SUNNY. HIGHS 100 TO 105.

.MONDAY NIGHT...MOSTLY CLEAR. LOWS 70 TO 75.

**Fig. A-23:** A Zone Forecast for Imperial County called for winds reaching 20 mph. In actuality the winds were much higher. Source: Iowa Environmental Mesonet; <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201609131956>.

**FIGURE A-24**  
**HIGH WINDS AND BLOWING DUST CONTINUES FOR SAN DIEGO DESERTS**

AZ033-141100-

**IMPERIAL COUNTY** INCLUDING

THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...

IMPERIAL...THE SALTON SEA

**106 PM PDT TUE SEP 13 2016**

.TONIGHT...CLEAR AND BREEZY. LOWS 59 TO 69. **WEST WIND 10 TO 20 MPH.**

**GUSTS UP TO 30 MPH IN THE EVENING.**

.WEDNESDAY...SUNNY. HIGHS 91 TO 96. NORTHWEST WIND 5 TO 10 MPH.

.WEDNESDAY NIGHT...CLEAR. LOWS 59 TO 69. NORTHWEST WIND 5 TO 10 MPH.

.THURSDAY...SUNNY. HIGHS 94 TO 99. NORTHWEST WIND 5 TO 10 MPH.

.THURSDAY NIGHT...CLEAR. LOWS 62 TO 72. NORTHWEST WIND 5 TO 10 MPH.

.FRIDAY...SUNNY. HIGHS 96 TO 101.

.FRIDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.

.SATURDAY...SUNNY. HIGHS 97 TO 102.

.SATURDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.

.SUNDAY...SUNNY. HIGHS 99 TO 104.

.SUNDAY NIGHT...CLEAR. LOWS IN THE MID 60S TO MID 70S.

11/22/2017 IEM :: ZFP from NWS PSR

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201609132006> 6/6

.MONDAY...SUNNY. HIGHS 99 TO 104.

**Fig. A-24:** A Zone Forecast for Imperial County issued at 1:06 p.m. on September 13 still was expecting winds of 20 mph and gusts of 30 mph to continue into the afternoon and evening. Winds were actually higher. In actuality the winds were much higher. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201609132006>.

**FIGURE A-25**  
**ZONE FORECAST FOR IMPERIAL COUNTY – SEPTEMBER 13**

CAZ033-141100-  
IMPERIAL COUNTY-  
INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...  
IMPERIAL...THE SALTON SEA  
134 PM PDT TUE SEP 13 2016  
.TONIGHT...CLEAR AND BREEZY. LOWS 59 TO 69. WEST WIND 10 TO 20 MPH.  
GUSTS UP TO 30 MPH IN THE EVENING.  
.WEDNESDAY...SUNNY. HIGHS 91 TO 96. NORTHWEST WIND 5 TO 10 MPH.  
.WEDNESDAY NIGHT...CLEAR. LOWS 59 TO 69. NORTHWEST WIND 5 TO 10 MPH.  
.THURSDAY...SUNNY. HIGHS 94 TO 99. NORTHWEST WIND 5 TO 10 MPH.  
.THURSDAY NIGHT...CLEAR. LOWS 62 TO 72. NORTHWEST WIND 5 TO 10 MPH.  
.FRIDAY...SUNNY. HIGHS 96 TO 101.  
.FRIDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.  
.SATURDAY...SUNNY. HIGHS 97 TO 102.  
.SATURDAY NIGHT...CLEAR. LOWS IN THE LOWER 60S TO LOWER 70S.  
.SUNDAY...SUNNY. HIGHS 99 TO 104.  
.SUNDAY NIGHT...CLEAR. LOWS IN THE MID 60S TO MID 70S.  
.MONDAY...SUNNY. HIGHS 99 TO 104.  
.MONDAY NIGHT...CLEAR. LOWS IN THE MID 60S TO MID 70S.  
.TUESDAY...SUNNY AND HOT. HIGHS 101 TO 106.

**Fig. A-25:** A Zone Forecast for Imperial County called for winds reaching 20 mph. In actuality the winds were much higher. Source: NWS Phoenix office Zone Forecast; <http://tgftp.nws.noaa.gov/data/forecasts/zone/ca/caz033.txt>

**FIGURE A-26**  
**STEEP SURFACE GRADIENTS BRING GUSTY WINDS**

AREA FORECAST DISCUSSION

National Weather Service San Diego CA

137 PM PDT TUE SEP 13 2016

.SYNOPSIS...

A trough of low pressure over California and Nevada will continue to create stronger onshore flow, significant cooling, a deep marine layer with night and morning low clouds extending into the far inland valleys, and strong and gusty southwest to west winds in the mountains and deserts through tonight. For Wednesday through early next week, low pressure aloft will weaken, resulting in lighter winds, an increasingly shallower marine layer, and warming to above average by Sunday.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

Water vapor satellite shows an unseasonably strong low pressure trough over Central California and West-central Nevada, which is resulting in stronger onshore flow and a very deep marine layer. Visible satellite shows stubborn broken to overcast stratus over the valleys, coastal slopes, Santa Ana mountains/foothills and the also the passes, while the coast appears to be clearing better. The marine layer deepened up significantly earlier this morning, with the 12Z Miramar sounding and aircraft soundings showing the marine layer depth up to around 5000-6000 feet, and there have been a several reports of drizzle or light rain earlier, mainly over Orange county where a light rain band developed, and over the coastal slopes of the San Bernardino county mountains. Meanwhile, onshore pressure gradients from San Diego to Las Vegas peaked last night at 13 mb and are down to 10.4 mb currently. Winds are currently gusting only around 30-40 mph along mountain ridges, through and below the canyons/passes and along desert slopes, with the highest reported wind gust currently of 49 mph in the San Geronio pass. Gusty winds in these areas will strengthen by early evening before diminishing in the overnight hours, and wind advisories remain in effect. With the cooler air mass in place today, deep marine layer and cool onshore flow, current temperatures are 5-15 degrees, and locally 20 degrees, lower than 24 hours ago. Highs today may be low enough for several locations to tie or break records for lowest max temperature for this date. The trough will start to weaken later today and move east through tomorrow, which will probably bring a slightly shallower marine layer tonight/Wednesday morning (down to around 4000 feet or so).

**Fig. A-26:** Steep surface gradients over the region resulted in strong winds across the mountains and deserts of southeast California. Source: NWS Phoenix office Zone Forecast;  
[http://www.wrh.noaa.gov/total\\_forecast/getprod.php?prod=XXXAFDSGX&wfo=SGX](http://www.wrh.noaa.gov/total_forecast/getprod.php?prod=XXXAFDSGX&wfo=SGX).

**FIGURE A-27**  
**HIGH WINDS RECORDED ACROSS A WIDE REGION**

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 822 PM PDT TUE SEP 13 2016  
 CAZ055-056-058-060>062-065-140430-  
 /O.CAN.KSGX.WI.Y.0032.000000T0000Z-160914T0400Z/  
 SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINSSAN  
 DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS COACHELLA  
 VALLEY-SAN DIEGO COUNTY DESERTSSAN  
 GORGONIO PASS NEAR BANNING-  
 822 PM PDT TUE SEP 13 2016  
 ...WIND ADVISORY IS CANCELLED...  
 THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS CANCELLED THE WIND  
 ADVISORY.  
 WINDS HAVE DECREASED BELOW ADVISORY CRITERIA.  
 A SUMMARY OF PEAK WIND GUSTS REPORTED OVER THE PAST 24 HOURS  
 FOLLOWS:

LOCATION	SPEED	TIME/DATE	ELEVATION (FT.)
MOUNTAIN SPRING GRADE	57 MPH	0350 AM 09/13	2044
WHITEWATER RAWS (2 N)	56 MPH	0950 AM 09/13	2546
GREEN VALLEY LAKE	50 MPH	1230 AM 09/13	6926
JULIAN (2 NNE)	49 MPH	1110 PM 09/12	5154
WHITE WATER (1 S)	47 MPH	0115 PM 09/13	1133
OCOTILLO WELLS (4 W)	40 MPH	1158 AM 09/13	436
PALM SPRINGS AIRPORT	40 MPH	0253 PM 09/13	474
BORREGO SPRINGS (7 SE)	39 MPH	0821 PM 09/12	587
THOUSAND PALMS (5 NNE)	39 MPH	0548 AM 09/13	1066
HARRISON PARK	39 MPH	0420 AM 09/13	4861
APPLE VALLEY AIRPORT (KAPV)	39 MPH	0506 PM 09/13	3062
BOULEVARD (1 W)	38 MPH	1220 AM 09/13	3404
THOUSAND PALMS	38 MPH	0325 PM 09/13	272
HESPERIA (4 SW)	36 MPH	0839 AM 09/13	3580
IN KO PAH	36 MPH	0800 AM 09/13	3221
EL MIRAGE	36 MPH	0326 PM 09/13	2880
JULIAN (2 SE)	36 MPH	1132 AM 09/13	4487
HESPERIA (4 SW)	36 MPH	0916 AM 09/13	3849
PINYON	35 MPH	0836 PM 09/12	4060
MT SAN JACINTO RANGER STATIO	35 MPH	0932 PM 09/12	8375
VICTORVILLE (6 SW)	35 MPH	0908 PM 09/12	3164

**Fig. A-28:** High winds were recorded across a wide area. This supports that the wind event was regional. Those upstream sites closest to Imperial County are highlighted in red.

Source: Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201609140322>.

**FIGURE A-29**  
**BLOWING DUST OVER SOUTHEASTERN CALIFORNIA**

Tuesday, September 13, 2016

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN  
SATELLITE IMAGERY

THROUGH 0230Z September 14, 2016

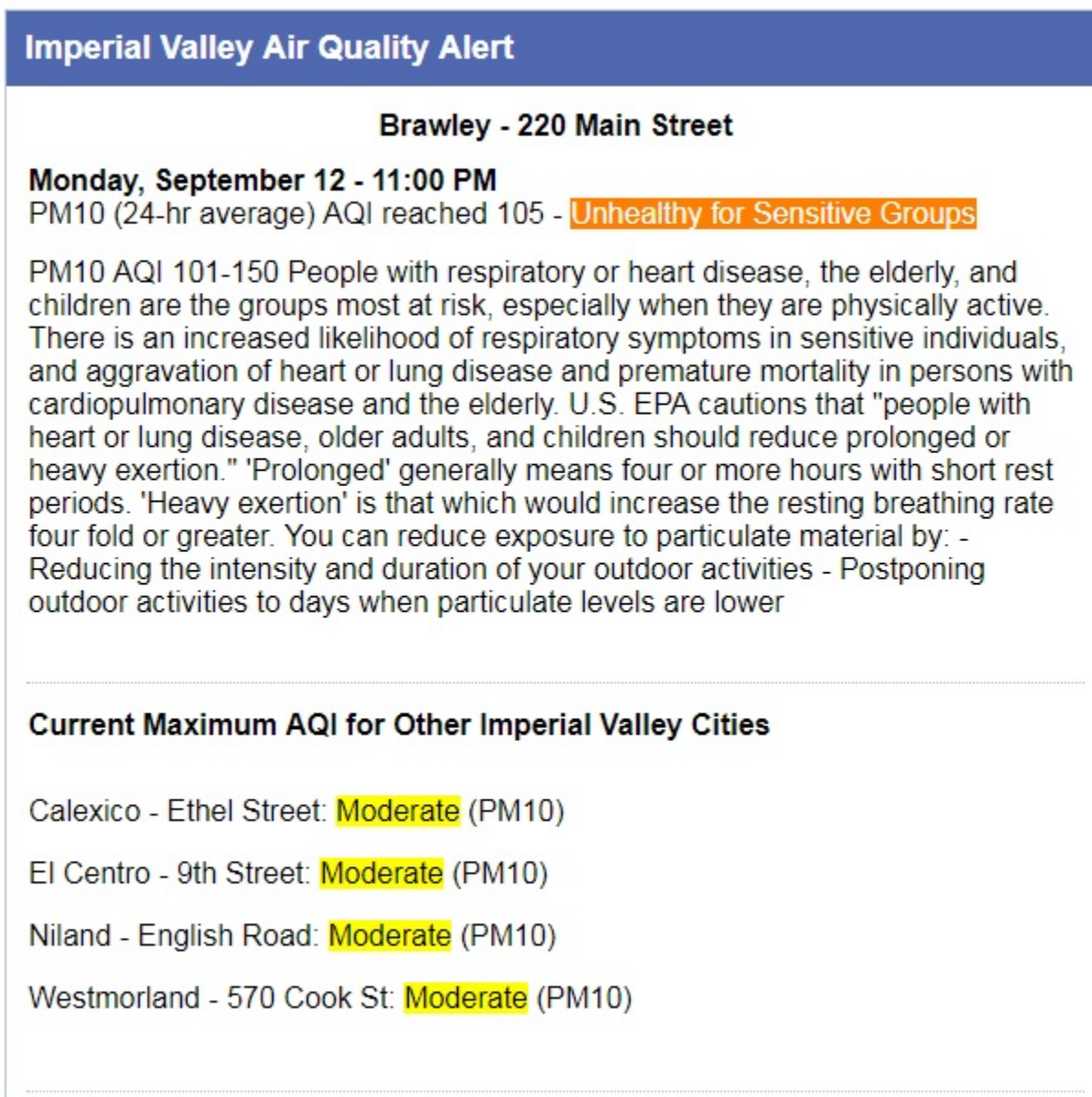
**DUST:**

California:

An area of blowing sand/dust southwest of the Salton Sea was seen fanning out to the east. Two additional areas of blowing dust/sand were seen in northeast and southeast San Bernardino county moving to the northeast. Another area of blowing sand/dust was seen in Inyo county traveling south.

**Fig. A-29:** An excerpt from NOAA's Satellite Services Division Smoke Text Product identified patches of blowing dust in the vicinity of the Salton Sea and moving across southeastern California. The notice was effective through 1830 LST on September 13. Source: <http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2016/2016I040327.html>.

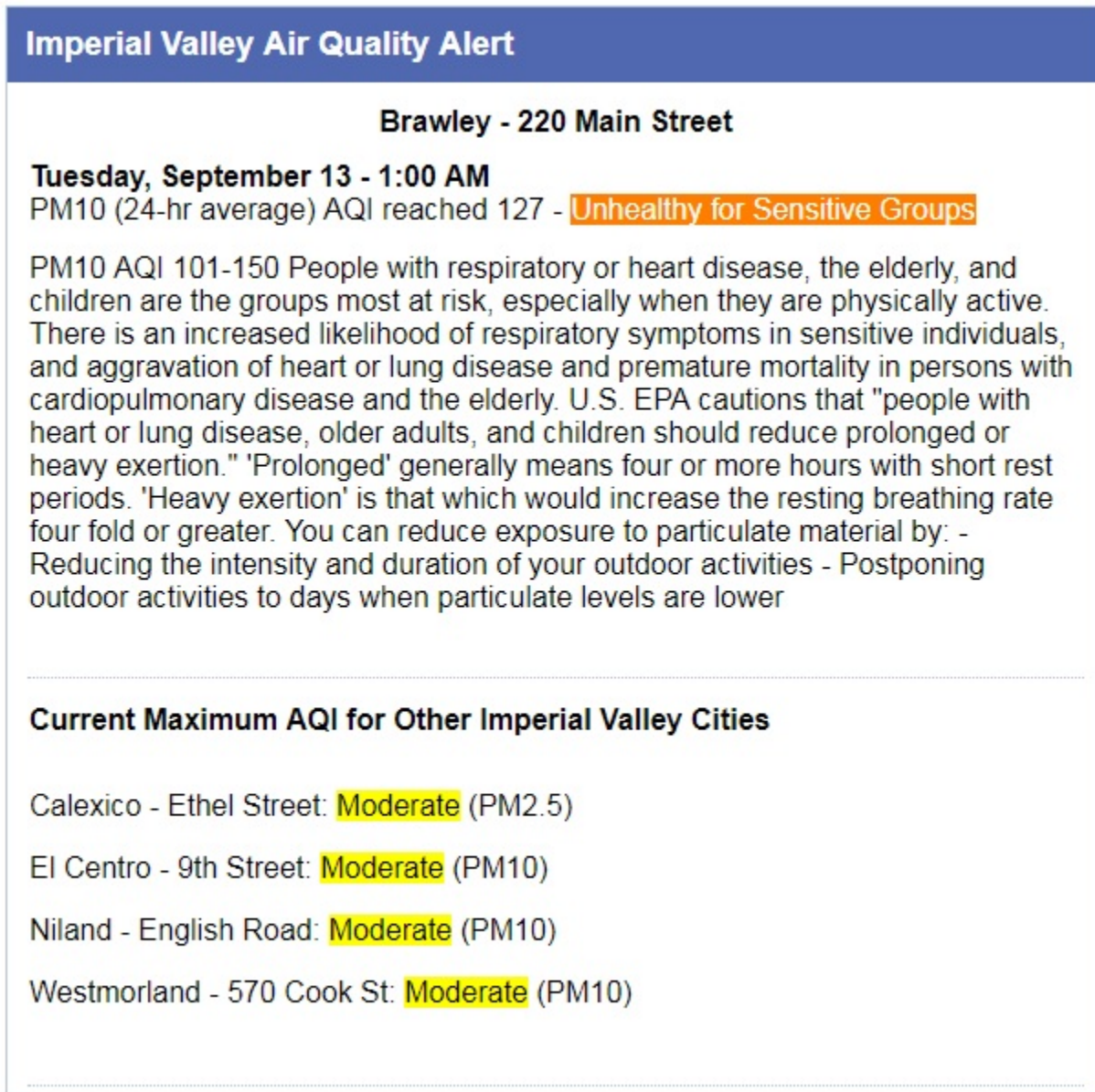
**FIGURE A-30**  
**AIR QUALITY ALERT FOR BRAWLEY – SEPTEMBER 12**



**Fig. A-30:** At 11 p.m. on September 12 an air quality alert was issued for the Brawley area to notify the public that air quality had slipped into the Unhealthy for Sensitive Groups range. Source: ICAPCD Archives.

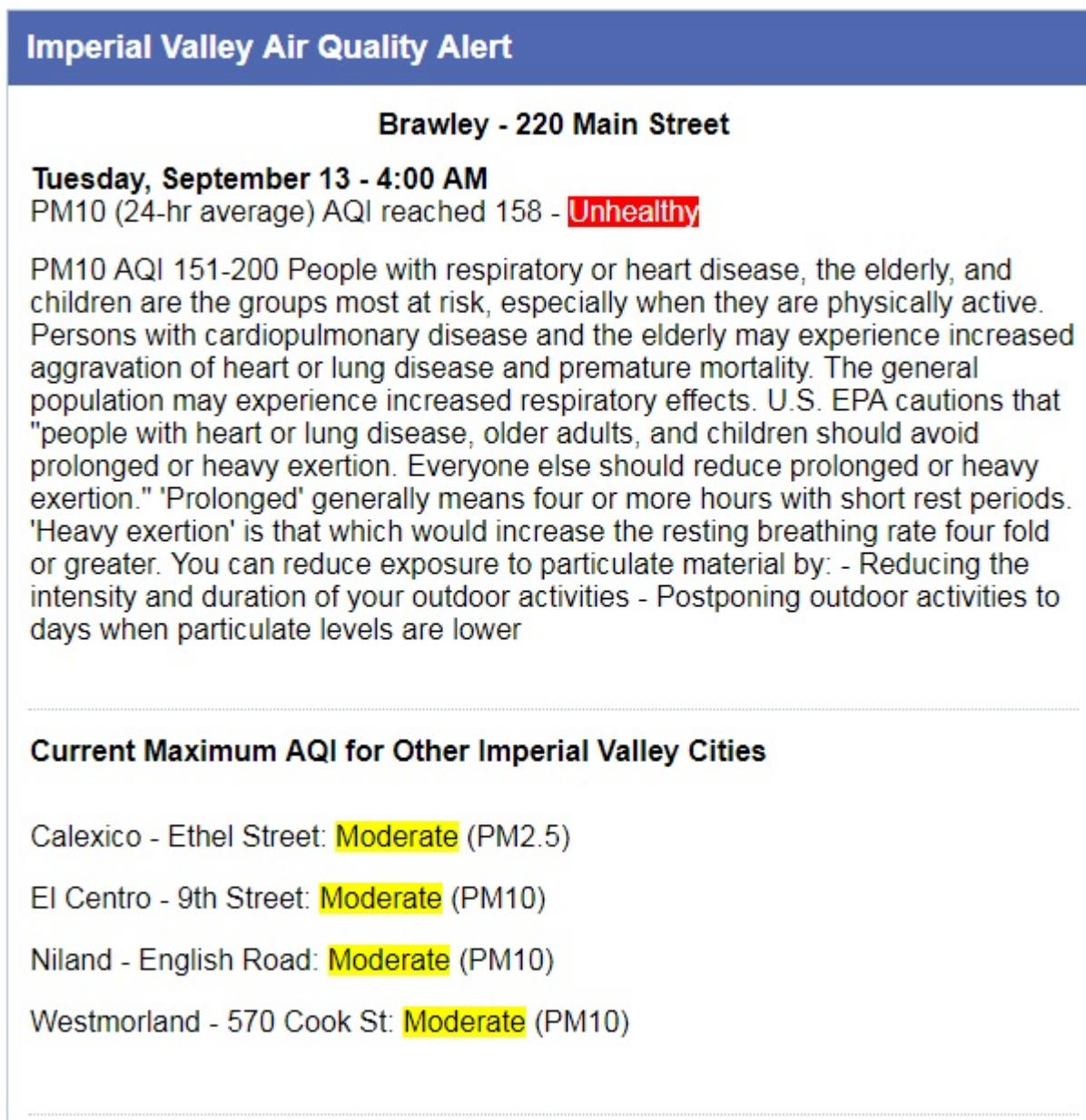


**FIGURE A-31  
AIR QUALITY ALERT FOR BRAWLEY – SEPTEMBER 13**



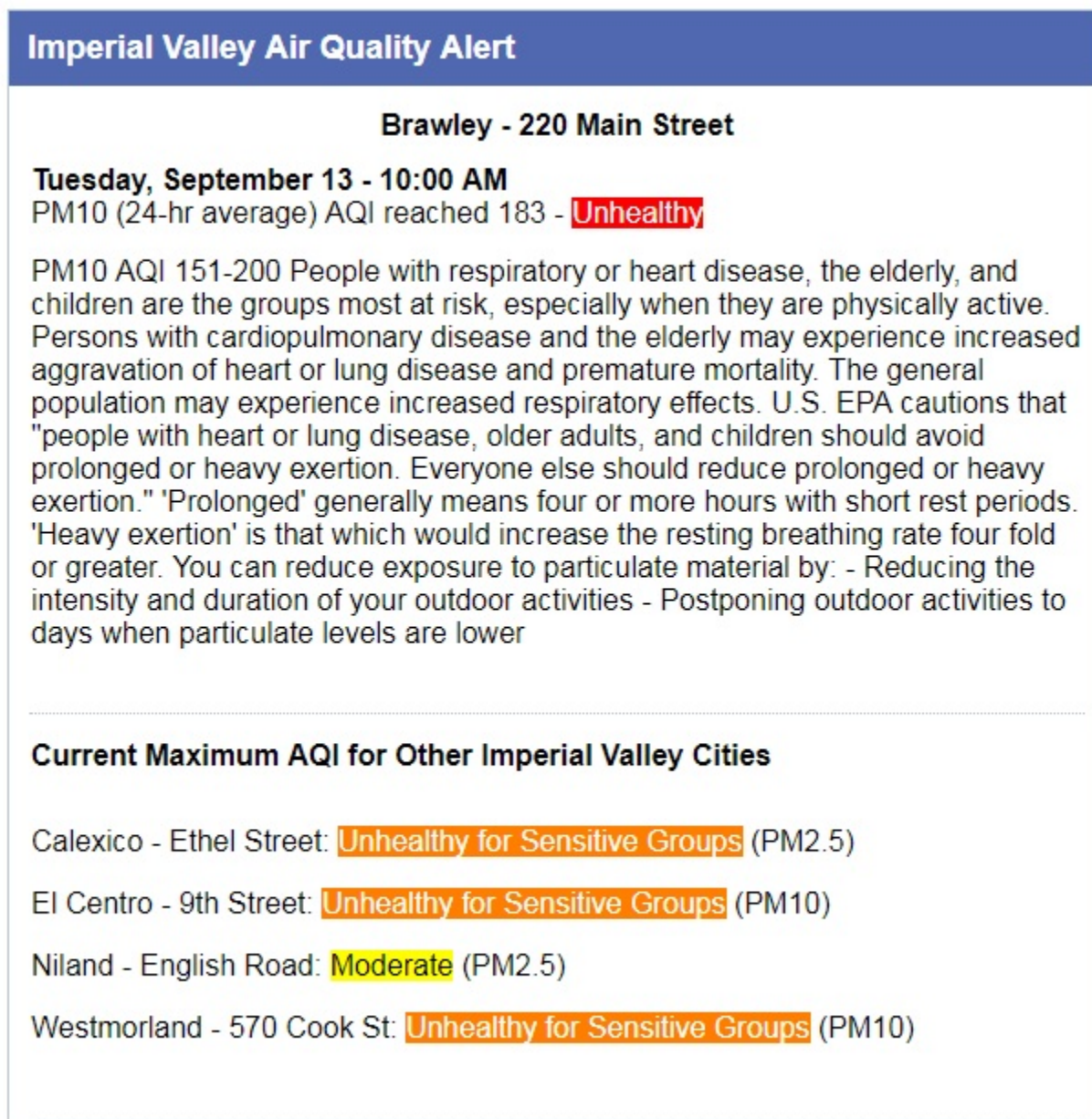
**Fig. A-31:** At 10 a.m. on September 13 an air quality alert was issued for the Brawley area to notify the public that air quality had slipped into the Unhealthy range. Other monitors were also reporting significantly reduced air quality as a result of the dust laden winds. Source: ICAPCD Archives.

**FIGURE A-32**  
**AIR QUALITY ALERT FOR BRAWLEY – SEPTEMBER 13**



**Fig. A-32:** At 10 a.m. on September 13 an air quality alert was issued for the Brawley area to notify the public that air quality had slipped into the Unhealthy range. Other monitors were also reporting significantly reduced air quality as a result of the dust laden winds. Source: ICAPCD Archives.

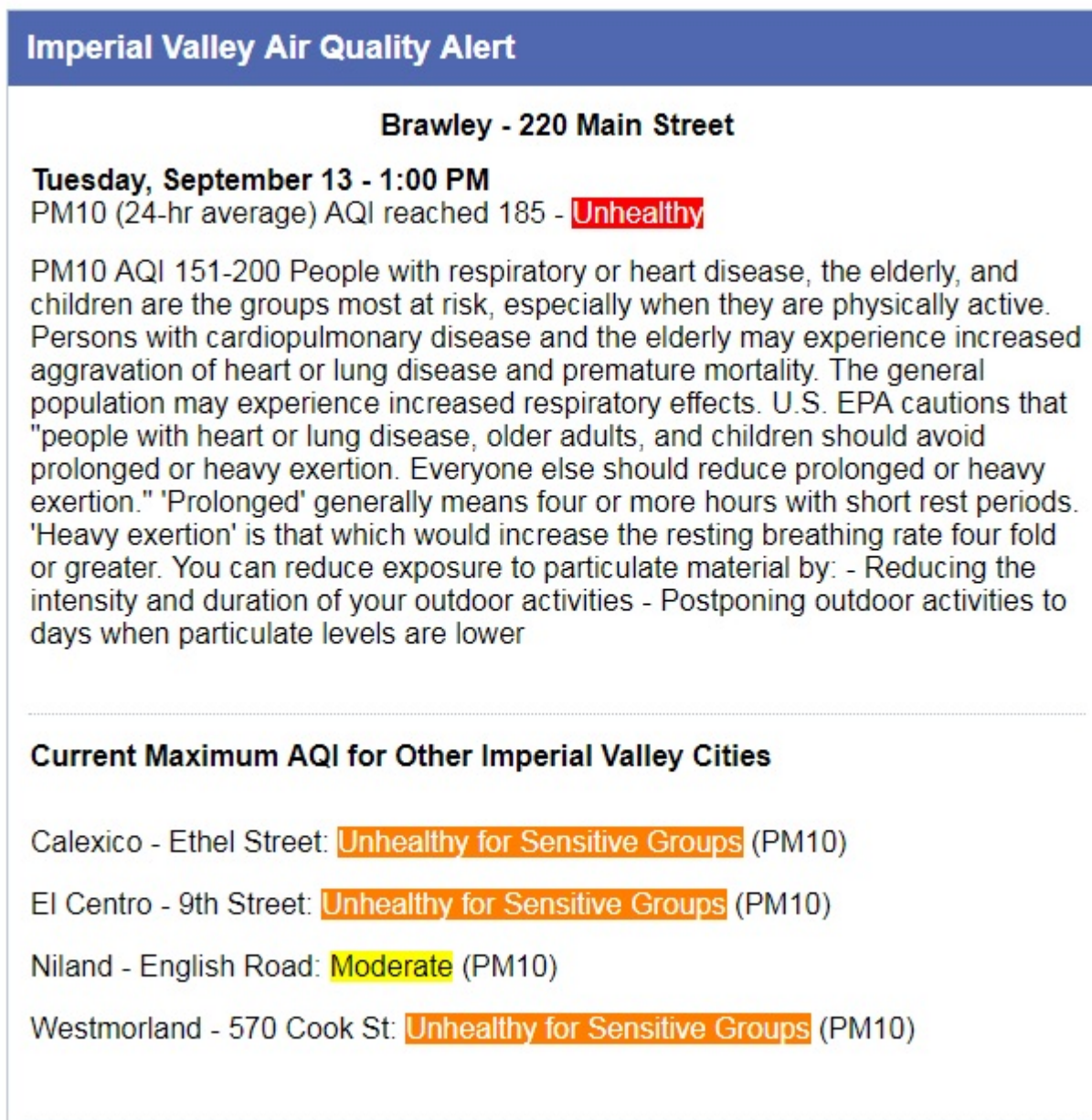
**FIGURE A-33**  
**AIR QUALITY ALERT FOR BRAWLEY – SEPTEMBER 13**



**Fig. A-33:** At 10 a.m. on September 13 an air quality alert was issued for the Brawley area to notify the public that air quality had slipped into the Unhealthy range. Other monitors were also reporting significantly reduced air quality as a result of the dust laden winds. Source: ICAPCD Archives.

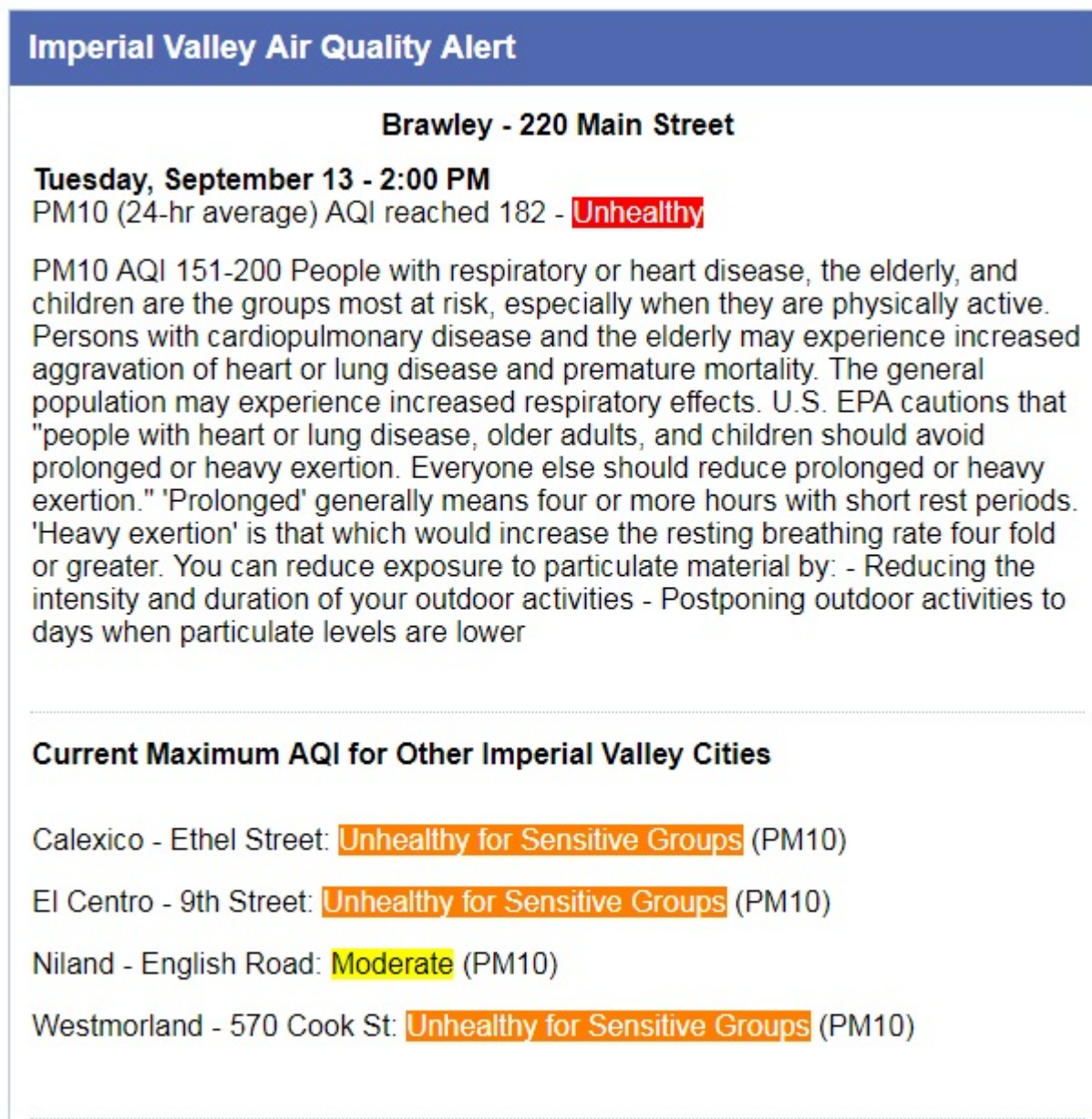


FIGURE A-34  
AIR QUALITY ALERT FOR BRAWLEY – SEPTEMBER 13



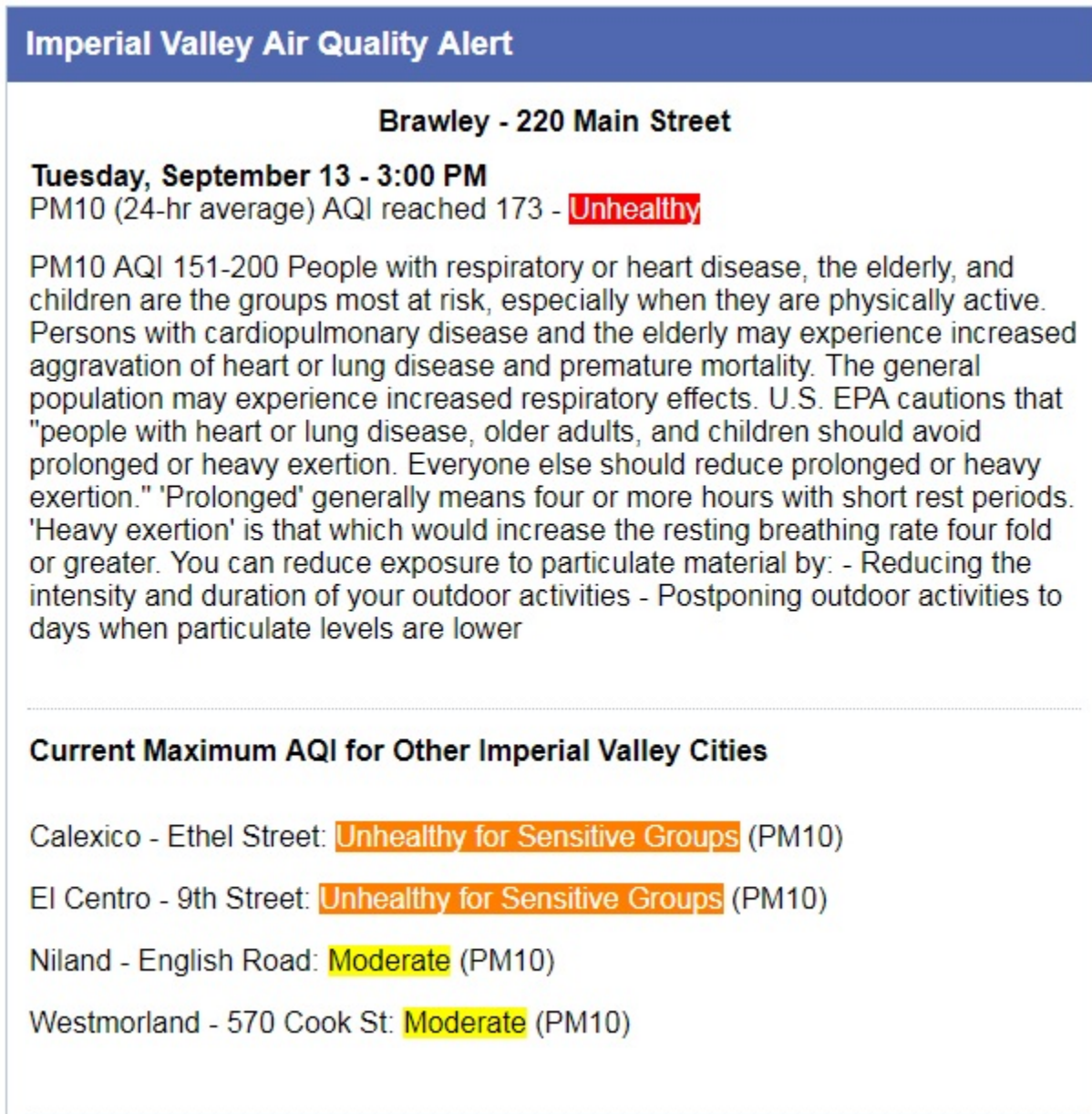
**Fig. A-34:** At 10 a.m. on September 13 an air quality alert was issued for the Brawley area to notify the public that air quality had slipped into the Unhealthy range. Other monitors were also reporting significantly reduced air quality as a result of the dust laden winds. Source: ICAPCD Archives.

**FIGURE A-35**  
**AIR QUALITY ALERT FOR BRAWLEY – SEPTEMBER 13**



**Fig. A-35:** At 10 a.m. on September 13 an air quality alert was issued for the Brawley area to notify the public that air quality had slipped into the Unhealthy range. Other monitors were also reporting significantly reduced air quality as a result of the dust laden winds. Source: ICAPCD Archives.

**FIGURE A-36**  
**AIR QUALITY ALERT FOR BRAWLEY – SEPTEMBER 13**



**Fig. A-36:** At 10 a.m. on September 13 an air quality alert was issued for the Brawley area to notify the public that air quality had slipped into the Unhealthy range. Other monitors were also reporting significantly reduced air quality as a result of the dust laden winds. Source: ICAPCD Archives.



**FIGURE A-37**  
**AIR QUALITY INDEX**

<b>Air Quality Index Levels of Health Concern</b>	<b>Numerical Value</b>	<b>Meaning</b>
<b>Good</b>	<b>0 to 50</b>	<b>Air quality is considered satisfactory, and air pollution poses little or no risk.</b>
<b>Moderate</b>	<b>51 to 100</b>	<b>Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.</b>
<b>Unhealthy for Sensitive Groups</b>	<b>101 to 150</b>	<b>Members of sensitive groups may experience health effects. The general public is not likely to be affected.</b>
<b>Unhealthy</b>	<b>151 to 200</b>	<b>Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.</b>
<b>Very Unhealthy</b>	<b>201 to 300</b>	<b>Health alert: everyone may experience more serious health effects.</b>
<b>Hazardous</b>	<b>301 to 500</b>	<b>Health warnings of emergency conditions. The entire population is more likely to be affected.</b>

**Fig. A-38:** The Air Quality Index The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source: <https://airnow.gov/index.cfm?action=aqibasics.aqi>.



**FIGURE A-39**  
**IMPERIAL COUNTY ISSUED NO BURN DAY – SEPTEMBER 12**

Imperial County Air Pollution Control District  
Daily Weather and Ag. Burning Information

Date: Monday September 12, 2016

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	N/A	N/A	N/A
8 AM	N/A	N/A	N/A
9 AM	N/A	N/A	N/A
10 AM	N/A	N/A	N/A
11 AM	N/A	N/A	N/A
NOON	N/A	N/A	N/A
1 PM	N/A	N/A	N/A
2 PM	N/A	N/A	N/A
3 PM	N/A	N/A	N/A
4 PM	N/A	N/A	N/A
5 PM	N/A	N/A	N/A
6 PM	N/A	N/A	N/A
7 PM	N/A	N/A	N/A

Max. Temperature yesterday was 111 degrees

Today's Mt. Signal Visibility at 7:30 AM Clear NKX 12Z 500 MB Height \_\_\_\_\_  
1Y7 12Z 500 MB Height \_\_\_\_\_

**Forecasts**  
**High Today** 98-103 Local Forecast (Issued 8 AM Local) Computer Forecast (RUC 40KM 12Z)

Est. Time Mixing Height reaches 3000 feet	_____	<b>9:45 am</b>
Forecast of Maximum Mixing Height	_____ feet	<b>9,990</b> feet
Forecast for Morning surface winds	<b>W 10-15</b> mph	<b>W 10-15</b> mph
Forecast for afternoon surface winds	<b>SW 15-25</b> mph	<b>SW 15-25</b> mph
Forecast for evening surface winds	<b>SW 15-25</b> mph	
Forecast 10 AM - 3 PM transport winds	<b>SW 15-25</b> mph	

Comments/Complaints: Winds will be increasing this afternoon.

---

Burn Hours \_\_\_\_\_ ARB No Burn Day \_\_\_\_\_ District called No Burn Day XXX

Total actually burned today \_\_\_\_\_ acres Crops burned \_\_\_\_\_

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int FG

**Fig. A-39:** A copy of the Imperial County Air Pollution Control District official record of conditions as they existed on September 12, 2106. A No Burn Day was declared. Source: ICAPCD Archives.

**FIGURE A-40**  
**IMPERIAL COUNTY ISSUED NO BURN DAY – SEPTEMBER 13**

Imperial County Air Pollution Control District  
Daily Weather and Ag. Burning Information

Date: Tuesday September 13, 2016

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	N/A	N/A	N/A
8 AM	N/A	N/A	N/A
9 AM	N/A	N/A	N/A
10 AM	N/A	N/A	N/A
11 AM	N/A	N/A	N/A
NOON	N/A	N/A	N/A
1 PM	N/A	N/A	N/A
2 PM	104	WSW-17G25	N/A
3 PM	103	W-25G31	6
4 PM	102	W-28G33	7
5 PM	99	W-29G36	7
6 PM	96	W-28G36	7
7 PM	90	W-24G32	10

Max. Temperature yesterday was 106 degrees

Today's Mt. Signal Visibility at 7:30 AM Clear NKX 12Z 500 MB Height \_\_\_\_\_  
1Y7 12Z 500 MB Height \_\_\_\_\_

**Forecasts**

**High Today** 92-97 Local Forecast (Issued 8 AM Local) Computer Forecast (RUC 40KM 12Z)

Est. Time Mixing Height reaches 3000 feet	_____	<b>11:00 am</b>
Forecast of Maximum Mixing Height	_____ feet	<b>6,270</b> feet
Forecast for Morning surface winds	<b>W 15-25</b> mph	<b>W 15-25</b> mph
Forecast for afternoon surface winds	<b>W 15-25</b> mph	<b>W 15-25</b> mph
Forecast for evening surface winds	<b>W 15-25</b> mph	
Forecast 10 AM - 3 PM transport winds	<b>W 15-25</b> mph	

Comments/Complaints: Winds will be increasing this afternoon.

---

Burn Hours \_\_\_\_\_ ARB No Burn Day \_\_\_\_\_ District called No Burn Day XXX

Total actually burned today \_\_\_\_\_ acres Crops burned \_\_\_\_\_

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int FG

**Fig. A-40:** A copy of the Imperial County Air Pollution Control District official record of conditions as they existed on September 13, 2106. A No Burn Day was declared. Source: ICAPCD Archives

**FIGURE A-41**  
**IMPERIAL COUNTY AFFIDAVIT 30 DAY PUBLIC NOTICE**

**AFFIDAVIT OF PUBLICATION**  
**(2015.5 C.C.P.)**

**STATE OF CALIFORNIA**

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk\* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

03/11 .

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

  
 SIGNATURE

Name of Account: I C AIR POLLUTION CONTROL  
 Order Number: 11158770  
 Ad Number: 31381984

\* Printer, Foreman of the Printer, or Principal Clerk of the Printer  
 Date: 12 th day of March, 2018.  
 at El Centro, California.

This space is for the County Clerk's Filling Stamp:

**OF THE DEMONSTRATION OF THE OCCURRENCE  
 OF EIGHT EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared eight Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion of measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a Federal Reference Method monitor (FRM) or with a continuous Federal Equivalent Method monitor (FEM) represent the four Draft EE's.

2014	2015	2016
June 26 Brawley FEM 185 ug/m <sup>3</sup>	December 14 Brawley FRM 222 ug/m <sup>3</sup> El Centro FRM 165 ug/m <sup>3</sup> Niland FRM 250 ug/m <sup>3</sup> Westmorland FRM 193 ug/m <sup>3</sup>	September 3 Brawley FEM 275 ug/m <sup>3</sup> El Centro FEM 174 ug/m <sup>3</sup> Westmorland FEM 202 ug/m <sup>3</sup>
July 16 Westmorland FRM 167 ug/m <sup>3</sup>	September 27 Brawley FEM 219 ug/m <sup>3</sup>	September 12 and September 13 Brawley FEM 232 ug/m <sup>3</sup> Westmorland FEM 164 ug/m <sup>3</sup> Brawley FEM 160 ug/m <sup>3</sup> Calxico FEM 180 ug/m <sup>3</sup> El Centro FEM 179 ug/m <sup>3</sup>
October 30 Brawley FEM 162 ug/m <sup>3</sup>	December 15 Brawley FEM 645 ug/m <sup>3</sup> Calxico FEM 238 ug/m <sup>3</sup> El Centro FEM 207 ug/m <sup>3</sup> Niland FEM 530 ug/m <sup>3</sup> Westmorland FEM 733 ug/m <sup>3</sup>	

The public and all interested parties are encouraged to review and comment on the eight Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2014, 2015 and 2016 Air District air monitors were affected by entrained elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event entrained PM10 into the region affecting Riverside, Imperial and San Diego counties. The eight Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is April 11, 2018 by close of business.

The eight Draft EE's for days listed above are available for download at the Air District website at [www.co.imperial.ca.us](http://www.co.imperial.ca.us), under "Air Pollution". To view a hard copy of any of the eight Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 265-1800 and ask for Monica N. Soucier.

L828 M11

**Fig A-41:** A copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Event Demonstration for September 12, 2016 and September 13, 2016. The date for closing comments was April 11, 2018

**FIGURE A-42  
IMPERIAL COUNTY  
COMMENTS REGARDING THE  
SEPTEMBER 12, 2016 AND SEPTEMBER 13, 2016 EE DEMONSTRATION**

The ICAPCD did not receive any comments